

Patent Abstracts of Japan

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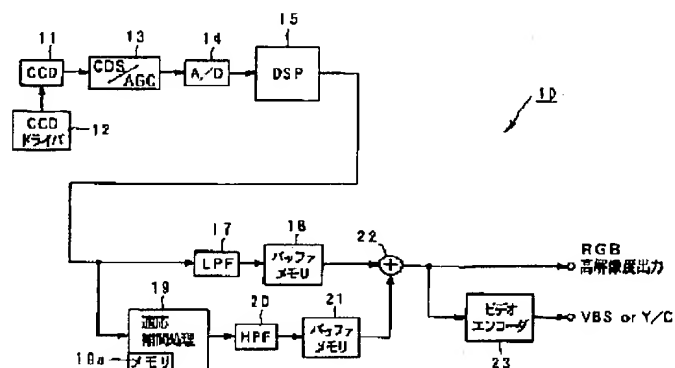
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TITLE : IMAGE PICKUP DEVICE AND COLOR
IMAGE SIGNAL PROCESSING
METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a low cost and high resolution by sacrificing the several functions of an electronic shutter, etc.

SOLUTION: An adaptive interpolation processing circuit 19 is supplied with image data R, G and B given white balance adjustment by DSP(digital signal processor) 15 and composites an RG image by means of an internal memory (not shown). In the circuit 19, if the correlating degrees of the respective directions of vertical, horizontal and oblique directions are computed, and then interpolation is performed on the RG image in a direction maximizing the correlation degree, LPF processing is not executed in a direction orthogonal with it as the result so that resolution in an orthogonal direction is not deteriorated. Namely the circuit 19 adaptively interpolates corresponding to the correlation of image data in the periphery of a part to interpolate to improve resolution.

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